

AMENDMENTS TO THE CLAIMS

1-82. (CANCELED) .

83. (CURRENTLY AMENDED) A method for ~~selecting one or more disease-influencing genes needed to be processed for medical research~~ generating groups of individuals useful in researching influence of a disease on said individuals, comprising:

5 selecting individuals having a risk factor for a disease;
 providing to each individual a communications apparatus;
 ~~sending~~ presenting queries to each individual through the
apparatus;

 receiving responses to the queries from the individuals
10 through the apparatus;

 storing the responses of each individual;
 defining a plurality of groups by categorizing the
individuals having similar profiles based on the responses, wherein
 categorizing the individuals into groups includes one or more
15 phenotypic classifications;

 after defining said groups, receiving genotype
information for individuals in each of said groups;

 comparing said genotype information between said groups;
and

generating a report for presentation on a display that represents a subset of said genotype information associated with each of said groups, wherein differences in said genotype information between said groups is expressed in terms of phenotypic classifications.

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84. (PREVIOUSLY PRESENTED) The method of Claim 83, wherein the queries are script-based and are assignable to each individual.

85. (PREVIOUSLY PRESENTED) The method of Claim 84, wherein the queries are inserted into a script program with a script generator and assigned to an individual using a script assignor.

86. (PREVIOUSLY PRESENTED) The method of Claim 83, wherein categorizing the individuals into groups includes one of the phenotypic classifications from the set of behavioral, environmental, and disease progression.

87. (CANCELED).

88. (PREVIOUSLY PRESENTED) The method of claim 83, wherein the communication apparatus is connectable with a monitoring device configured to acquire physiologic data.

89. (PREVIOUSLY PRESENTED) The method of claim 88, wherein the monitoring device includes one of the set consisting of a blood glucose meter, a respiratory flow meter, a blood pressure cuff, a weight scale, and a pulse rate monitor.

90. (CURRENTLY AMENDED) A system for ~~selecting one or more disease-influencing genes needed to be processed for medical research~~ generating groups of individuals useful in researching influence of a disease on said individuals, comprising:

5 a communications apparatus operable by an individual; and
 a communication network in signal communication with the communications apparatus and a server, a workstation configured to send scripted queries, a genotyping system configured to provide genotype information of the individual, and a patient profile
10 system configured to receive responses from the individual and genotype information analyses via the communications network and the server,

 whereby the genotype information is compared based upon groups formed by categorizing individuals having a risk factor for
15 a disease using the responses to the scripted queries in the

patient profile system to identify one or more individuals having
~~a disease-influencing gene~~ similar profiles, wherein categorizing
the individuals into groups includes one or more phenotypic
classifications, and differences in said genotype information
20 between said groups is expressed in terms of phenotypic
classifications.

91. (PREVIOUSLY PRESENTED) The system of Claim 90,
wherein the scripted queries are generated for the individual using
a script generator and assigned to the individual using a script
assignor.

92. (PREVIOUSLY PRESENTED) The system of Claim 90,
wherein the responses from the individual are used to categorize
the individual into one or more groups and the one or more groups
are compared with the genotype information of the individual to
5 categorize said genotype information according to disease
progression.

93. (PREVIOUSLY PRESENTED) The system of Claim 92,
wherein the disease progression includes non-insulin dependent
diabetes.

94. (CURRENTLY AMENDED) A system for identifying groups
of individuals ~~having a disease-influencing gene~~ useful in
researching influence of disease on said individuals, comprising:

at least one communications apparatus in signal
5 communication with a monitoring device configured to measure
physiologic and environmental conditions, the communications
apparatus and monitoring device being operable by at least one
individual; and

a communication network in signal communications with
10 each communications apparatus and a server, a workstation
configured to send scripted queries, a genotyping system configured
to provide genotype information for the at least one individual,
and a patient profile system configured to receive responses and
measurements from the at least one individual and genotype
15 information analyses via the communications network and the server,

whereby the genotype information of the at least one
individual is compared based upon groups formed by categorizing
individuals having a risk factor for a disease using the responses
and measurements to the scripted queries in the patient profile
20 system to identify one or more individuals having ~~a disease-~~
~~influencing gene~~ similar profiles, wherein categorizing the
individuals into groups includes one or more phenotypic
classifications, and differences in said genotype information

between said groups is expressed in terms of phenotypic
classifications.

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95. (PREVIOUSLY PRESENTED) The system of Claim 94, wherein the scripted queries are generated for each individual using a script generator and assigned to each individual using a script assignor.

96. (PREVIOUSLY PRESENTED) The system of Claim 94, wherein the monitoring device includes one of the set consisting of a blood glucose meter, a respiratory flow meter, a blood pressure cuff, a weight scale, and a pulse rate monitor.

97. (PREVIOUSLY PRESENTED) The system of Claim 94, wherein the responses and measurements from each individual are used to categorized each individual with one or more groups and the groups are compared with the genotype information of each individual to categorize the genotype information according to disease progression of each individual in the one or more groups based on the responses and measurements sent by each individual.

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98. (PREVIOUSLY PRESENTED) The system of Claim 97, wherein the disease progression includes non-insulin dependent diabetes.

99. (NEW) The system of Claim 90, wherein categorizing the individuals into groups includes one of the phenotypic classifications from the set of behavioral, environmental, and disease progression.

100. (NEW) The system of Claim 94, wherein categorizing the individuals into groups includes one of the phenotypic classifications from the set of behavioral, environmental, and disease progression.